NAB 2004 Product Fact Sheet

DVStation: *The Most Advanced Guardian Available to Continuously Monitor the Quality of Digital Signals and Content*

DVStation-Remote: *Affordable, Expandable Real Time Preventative Monitoring for Smaller or Remote Facilities*

DVStation-Pod: *Low Cost, Compact Single Source Test Analyzer*

DVStation-IP: *The World's First Real Time Test and Monitoring Tool for MPEG over IP*

DVStor: *Direct and Reliable long term storage of line MPEG-2 transport streams*

DVShift: *Real Time User-Controllable Delay of MPEG transport streams*

DVShift-HD: *Real Time User-Controllable Delay of SD and HD SDI*

DVScope: *Scalable and Flexible Software-based Solutions for Verification, Test, and Measurement of SDI video transmission*

DPI Auditor: *The Leading Digital Program Insertion Monitoring and Verification tool*

ConsolidatorPlus: *Centralize and Visualize Performance and Fault Information Across Networks and Geographies*

Key Features for DVStation:

Simultaneous real-time measurement of up to 21-inputs
Variety of input modules:
  ASI/SPI Transport Stream Processor
  QPSK DVB-S TSP
  QPSK IF (intermediate frequency) TSP
  COFDM DVB-T TSP
  QAM DVB-C TSP
  Sonet/SDH 155 Mbps optical ATM IF
  SDI Quality Monitor Module
  SDI Freeze Frame Detector
Unique On-air Content Validation (OCV) identifies service content problems in real-time.
Programmable triggers for errors, bandwidth, and content errors
Automatic 96 MB transport stream capture with variable pre-trigger
Concurrent multi-user architecture
Multiple remote control options: LAN, WAN, dial-up modem, Web browser, VNC, SNMP, CORBA, etc.
Field upgradeable software

Key Features for DVStation-Remote:

  Same level of in-depth signal monitoring and analysis as the award-winning
  DVStation (from one to four interfaces)
  Cost-effective monitoring of RF, ATM, MPEG, and SDI signals
  Real-time analysis in compact configuration
  Transport stream capture
  Automatic On-air content validation
  Compact 1RU rack mount package

Key Features for DVStation-Pod:

  RF & MPEG commissioning & installation
  Real-time portable analysis
  Power & performance at a reasonable price
  Six models available:
      ASI/SPI/SMPTE-310
      QPSK L-Band
      ATM
      COFDM
      SDI Picture Quality Monitor
      SDI Audio Monitor
  Transport stream capture
  Captured files off-line analysis
  Full support for ATSC, DVB, and ISDB

Key Features for DVStation-IP:

  10, 100, or 1000 Mb/s Ethernet test port
  MPEG-2 over UDP or RTP/UDP
  Real-time comprehensive transport stream monitoring:
      Bandwidth utilization
      Packet interval
      TR101-290 compliance
      PCR Jitter
      Real-time transport stream decode
      Real-time PSI/SI/PSIP table decode
  Configurable thresholds and alarm settings
  Bandwidth displayed by service name
  Auto On-air Content Validation
  Live video display
  HTML, SNMP, and CORBA remote control
  Compact 1RU rack mount package

Key Features for DVStor:

  Directly records MPEG-2 transport stream up to 50 Mb/s.
  Available in 250 GB, 500 GB, and 1TB configurations to provide up to almost three
  days of storage
  Tight integration with DVStation enables detailed *post mortem* troubleshooting
  Dual power supplies provide fault tolerance

Key Features for DVShift:

  Flexible, User-Defined Delay Interval
  Delay of up to 140 hours of a 19.2 Mb/s transport stream
  Available in 500 GB or 1 TB RAID configuration
  Automatic calculation and display of the upper limit for speedy set-up

Built around a 1.8 GHz Pentium® CPU
Linux Red Hat 8.0 for maximum system stability
Rugged industrial casing features two hot-swappable power supplies with automatic input voltage selection
Self-monitoring features can notify operators and NMS of failure or loss of input transport stream
User-configurable parameters and status can be queried from any SNMP compliant NMS via the built-in SNMP MIB
System parameters and settings locked during normal operation against accidental modification

Key Features for DVShift-HD:
Provides digital delay and time shifting for SD and HD SDI signals for both video and embedded audio
Very cost-effective
User-selectable delay of SD/HD SDI signals
Available in two models
Providing up to 10s of delay
Supports all video formats
Automatically detects input format

Key Features for DVScope:
Supports an array of video formats
Flexible waveform displays in YPrPb or RGB domains
High-resolution vectorscope display
Clear pixel data display
Video status window with programmable error alarm
Automatic error logging with timecode
User-selectable audio status and monitoring
Real-time full-motion uncompressed video recording
Control and interface (GUI)
    Simple, user-friendly and customizable web browser interface
    SNMP MIB and Traps

Key Features for DPI Auditor:
Incoming splice message validation
Online log of all messages
Capture incoming and outgoing transport stream upon splice message arrival
Offline confirmation of splice and content
Alarms on arrival of user selectable tables or fields within a table
Long-term storage of logs
Search capabilities for easy retrieval of logged information
Report generation of summarized or consolidated user specified parameters
Simple, easy to use and customizable control and interface (GUI)
Compatible with DVStation, DVStation-Remote, and DVStation-IP

Key Features for ConsolidatorPlus:
Integrated fault and performance management system
Unified global network status display; drill down through multi-level GUI for in-depth troubleshooting
Multiple, user-definable views
Supports multiple sites, multiple interfaces
Reliable, fault tolerant, and scaleable system

Based on industry standard TCP/IP and SNMP technologies
Flexible reporting and configuration tools
Real time alarms plus historical trend analysis
Easily create & modify custom configurations – drag and drop!
Open architecture provides quick device support